

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/06/2022 08:59 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124777	-1	1.34	124637	1.34
Blue	F	SSC	125000	122841	-2	2.41	123267	2.27
Blue	E	FITC	13602	13243	-3	2.24	371	14.37
Blue	D	PE	24891	24600	-2	1.64	584	10.96
Blue	B	PerCP-Cy5-5	33972	33362	-2	2.98	953	14.78
Blue	A	PE-Cy7	22865	22683	-1	4.95	469	31.38
Red	C	APC	47198	46786	-1	2.58	1615	11.37
Red	A	APC-Cy7	26454	25480	-4	2.95	716	12.31
Violet	B	V450	6737	6453	-5	3.41	448	11.30
Violet	A	V500	29317	28281	-4	2.98	967	8.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24009	2.48	567	32	N/A	N/A	Pass
Blue	F	SSC	55149	1.97	522	1	N/A	N/A	Pass
Blue	E	FITC	56	57.02	491	7	0.0370	152	Pass
Blue	D	PE	115	40.77	494	8	0.3734	342	Pass
Blue	B	PerCP-Cy5-5	151	42.36	589	10	0.0206	124	Pass
Blue	A	PE-Cy7	79	83.56	632	11	0.0215	9	Pass
Red	C	APC	338	25.51	574	2	0.0286	174	Pass
Red	A	APC-Cy7	134	34.73	551	0	0.0064	1315	Pass
Violet	B	V450	76	50.09	451	1	0.0752	3815	Pass
Violet	A	V500	114	33.70	471	2	0.0253	1311	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.86	-31.54	1.04
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.69	13.90 - 20.86	N/A	N/A	29.79	30.12	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10175

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments